

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ2004/000222

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. Cl. 7: G01N 21/05, 33/577		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIDS, MEDLINE, CA; KEYWORDS: COMPETITIVE, LINKER, MASS, NANOPARTICLE, PARTICLE, PLASMON RESONANCE, BIOSENSOR, IMMUNOSENSOR		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6342349 B (VIRTANEN J.) 29 January 2002 Abstract, Figures 34A-35C	1-18
Y	WO 2002/092631 A (HORTICULTURE & FOOD RESEARCH INST. OF NZ LTD) 21 November 2002 Abstract, p12 lines 12-26, p19 lines 1-7, figures 2, 11 and claims	1-18
P, Y	WO 2004/042403 A (ROCHE DIAGNOSTICS GMBH et al) 21 May 2004 Abstract, Figure 11, Claims	1-18
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C		<input checked="" type="checkbox"/> See patent family annex
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"B" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>		
Date of the actual completion of the international search 22 November 2004	Date of mailing of the international search report 10 DEC 2004	
Name and mailing address of the ISA/AU  AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  ROSS OSBORNE Telephone No : (02) 6283 2404	

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Mullett W. et al, "Surface plasmon resonance-based immunoassays" Methods (2000) Vol 22 p77-91. Whole document	
A	Wu Y. et al, "Evaluation of progesterone-ovalbumin conjugates with different length linkers in enzyme-linked immunosorbent assay and surface plasmon resonance-based immunoassay" Steroids (2002) Vol 67 p565-572 Whole document	
A	Kubitschko S. et al, "Sensitivity enhancement of optical immunosensors with nanoparticles" Anal. Biochem. (1997) Vol 253 p112-122 Whole document	

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	6342349	AU	41602/02	CA	2468245	EP	1480772
		HU	0103577	IL	151635	KR	2000023613
		NZ	333907				
WO	2002/092631	AU	2002311701	CA	2447032	EP	1404717
		NZ	511705	US	2004171069		
WO	2004/042403						

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX